

Title (en)

Mobile crane with a detachable coupling joining upper and lower works

Title (de)

Mobilkran mit einer lösbaren, den unterwagen mit dem oberwagen verbindenden kupplung

Title (fr)

Grue mobile avec couplage démontable pour attacher le châssis supérieur au châssis inférieur

Publication

EP 1179503 B1 20040107 (DE)

Application

EP 01250252 A 20010705

Priority

DE 10039573 A 20000809

Abstract (en)

[origin: US2002020685A1] A rotatably mounted ring having external teeth which mesh with a drive pinion of a fixedly mounted slewing gear, has distributed over the circumference, alternately portions of the same length with recesses and portions of the same length with radially directed webs and can be coupled to a complementary ring in the manner of a bayonet fastening. The complementary ring has, both on the inside and on the outside, portions of the same length with recesses and portions of the same length with radially directed webs. The ring provided with the external toothing is provided with complementary recesses and webs.

IPC 1-7

B66C 23/84; **B66C 23/36**

IPC 8 full level

B66C 23/36 (2006.01); **B66C 23/84** (2006.01); **F16C 19/54** (2006.01)

CPC (source: EP US)

B66C 23/36 (2013.01 - EP US); **B66C 23/84** (2013.01 - EP US); **F16C 19/381** (2013.01 - EP US); **F16C 19/50** (2013.01 - EP US); **F16C 2300/14** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2002020685 A1 20020221; **US 6523708 B2 20030225**; AT E257458 T1 20040115; DE 10039573 C1 20020103; DE 50101283 D1 20040212; EP 1179503 A1 20020213; EP 1179503 B1 20040107; JP 2002096989 A 20020402

DOCDB simple family (application)

US 92350301 A 20010807; AT 01250252 T 20010705; DE 10039573 A 20000809; DE 50101283 T 20010705; EP 01250252 A 20010705; JP 2001240251 A 20010808